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Attorney's Docket No.: B01102/70000 TJO

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrey Zarur Jury et al.  
Serial No.: 09/707,852  
Confirmation No.: 9828  
Filed: November 7, 2000  
For: MICROREACTOR  
Examiner: Not yet assigned  
Art Unit: 1744

## CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on the 17 day of May, 2002.

Commissioner for Patents  
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

Transmitted herewith are the following documents:

Preliminary Amendment  
 Return Postcard

The fee has been calculated below:

CLAIMS AS AMENDED

	Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate	Additional Fee
TOTAL CLAIMS	101	48	=	53 X \$ 18	= \$954.00
INDEP. CLAIMS	4	3	=	1 X \$ 84	= \$84.00
TOTAL OF ABOVE CALCULATIONS					= \$1038.00
Reduction by 50% for filing by small entity (Note 37 CFR 1.9, 1.27, 1.28).					= \$519.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					= \$519.00

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If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check in the amount of \$519.00 is enclosed for the fee. If this fee is insufficient or if extensions of time are necessary, please charge the balance to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
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Timothy J. Oyer, Reg. No. 36,628  
WOLF, GREENFIELD & SACKS, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210  
Tel. (617) 720-3500  
Fax (617) 720-2441

Docket No.: B01102/70000 TJO

Date: May 17, 2002

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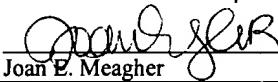
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\_\_\_\_\_  
Joan E. Meagher

Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

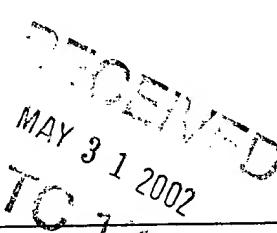
Sir:

~~Please amend the above-identified application as follows.~~

In the claims

Please add the following new claims.

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49. (New) A reactor as in claim 1, wherein the chemical or biological reaction occurs within at least one cell.

50. (New) A reactor as in claim 1, wherein the chemical or biological reaction comprises producing a protein.

51. (New) A reactor as in claim 1, wherein the chemical or biological reaction includes fermentation.

52. (New) A reactor as in claim 1, further comprising an inlet for adding at least one cell to the chamber.

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01 FC:203  
02 FC:202

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